



PTO/SB/08A (08-03)

Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

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Sheet 1 of 4

Complete if Known

Application Number	09/843,676
Filing Date	April 26, 2001
First Named Inventor	Cech, Thomas R.
Art Unit	1646
Examiner Name	
Attorney Docket Number	015389-002943US

U.S. PATENT DOCUMENTS+

Examiner Initials*	Cite No. ¹	Document Number		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ² (if known)			
WV	A1	US-5,597,697		01-28-1997	Diamond	
WV	A2	US-5,917,025		06-29-1999	Collins	
WV	A3	US-5,919,656		07-06-1999	Harrington, et al.	
WV	A4	US-6,166,178		12-26-2000	Cech et al.	
WV	A5	US-6,309,867 B1		10-30-2001	Cech et al.	
WV	A6	US-6,337,200 B1		01-08-2002	Morin	
WV	A7	US-6,475,789 B1		11-05-2002	Cech et al.	
WV	A8	US-6,610,839 B1		08-26-2003	Cech et al.	
WV	A9	US-6,617,110 B1		09-09-2003	Cech et al.	
WV	A10	US-6,258,535 B1		07-10-2001	Villeponteau et al.	
WV	A11	US-6,261,556 B1		07-17-2001	Weinrich et al.	
WV	A12	US-6,261,836 B1		07-17-2001	Cech et al.	

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document			Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ³
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WV	B8	PCT	WO 00/46355	A2 ✓	08-10-2000			<input type="checkbox"/>

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July 7, '04

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Sheet 2 of 4

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Application Number	09/843,676
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Art Unit	1646
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Attorney Docket Number	015389-002943US

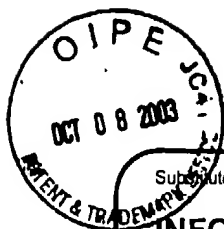
NON PATENT LITERATURE DOCUMENTS			
Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
dw	C1 ✓	ADAMSON, D. et al. "Significant Telomere Shortening in Childhood Leukemia", <i>Cancer Genet. Cytogenet.</i> , 1992; pp. 204-206, Vol. 61	
dw	C2 ✓	CHIU, et al. "Replicative senescence and cell immortality: the role of telomeres and telomerase (44075)", <i>Proc. Soc. Exp. Bio. Med.</i> , 1997, pp. 99-106, Vol. 214.	
dw	C3 ✓	CHONG, L. et al. "A Human Telomeric Protein", <i>Science</i> , Dec. 1995, pp. 1663-1667, Vol. 270.	
dw	C4 ✓	COUNTER, C. et al. "Telomerase activity in human ovarian carcinoma"; <i>Proc. Natl. Acad. Sci USA</i> ; April 1994; Vol. 91; pp. 2900-2904	
dw	C5 ✓	COUNTER, C. et al. "Telomerase Activity in Normal Leukocytes and in Hematologic Malignancies" <i>Blood</i> ; May 1, 1995; pp. 2315-2320, Vol. 85, No. 9.	
dw	C6 ✓	COUNTER, C. et al. "Telomere shortening associated with chromosome instability is arrested in immortal cells which express telomerase activity", <i>The EMBO Journal</i> ; 1992, pp. 1921-1929, Vol. 11; No. 5, Oxford University Press.	
dw	C7 ✓	DE LANGE, T. et al. "Structure and Variability of Human Chromosome Ends"; <i>Molecular and Cellular Biology</i> ; February 1990; pp. 518-527, Vol. 10, No. 2.	
dw	C8 ✓	FLAVELL, R. & MATHIAS, R. "Prospects for transforming monocot crop plants", <i>Nature</i> , 12 Jan. 1984, pp. 108-109, Vol. 307.	
dw	C9 ✓	FRESHNEY, <i>Culture of Animal Cells. A Manual Basic Technique</i> , p. 4, Alan R. Liss, Inc. New York, 1983.	
dw	C10 ✓	Genbank Accession No. A46242; September 21, 1993	
dw	C11 ✓	Genbank Accession No. L38903; January 30, 1995	
dw	C12 ✓	Genbank Accession No. Q06163; November 01, 1995	
dw	C13 ✓	Genbank Accession No. S39696; October 07, 1994	
dw	C14 ✓	Genbank Accession No. S53396; May 5, 1995	
dw	C15 ✓	GenBank Accession No. U95964; May 5, 1997	
dw	C16 ✓	GLASER, P. et al. "Bacillus subtilis genome project: cloning and sequencing of the 97 kb region from 325° to 333°" <i>Molecular Microbiology</i> , 1993, pp. 371-384, Vol. 10, No. 2.	
dw	C17 ✓	GOODMAN, R. et al. "Gene Transfer in Crop Improvement", <i>Science</i> , 3 April 1997, pp. 48-54, Vol. 236.	

Examiner
SignatureDate
Considered

July 7, '04

¹ EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 809; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

² Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached.



Supplement for form 1449B/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

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Sheet 3 of 4

Complete if Known

Application Number	09/843,676
Filing Date	April 26, 2001
First Named Inventor	Cech, Thomas R.
Art Unit	1646
Examiner Name	
Attorney Docket Number	015389-002943US

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
dlw	C18	GREIDER, C. "Telomeres, Telomerase and Senescence"; <i>BioEssays</i> ; 1990; pp. 363-369, Vol. 12, No. 8.	
dlw	C19	HARLEY, C. "Telomere loss: Mitotic clock or genetic time bomb?" <i>Mutation Research</i> ; 1991; pp. 271-282, Vol. 256, Elsevier Science Publishers.	
dlw	C20	HARLEY, C. & VILLEPONTEAU, B. "Telomeres and telomerase in aging and cancer" <i>Current Opinion in Genetics and Development</i> ; 1995, pp. 249-255, Vol. 5.	
dlw	C21	HARLEY, C. et al. "Telomeres shorten during ageing of human fibroblasts", <i>Nature</i> , 31 May 1990; pp. 458-460, Vol. 345.	
dlw	C22	HASTIE, N. et al. "Telomere reduction in human colorectal carcinoma and with ageing", <i>Nature</i> , 30 August 1990, pp. 866-868, Vol. 346.	
dlw	C23	HEALY, K. C. "Telomere dynamics and telomerase activation in tumor progression: prospects for prognosis and therapy" <i>Oncol. Res.</i> , 1995, pp. 121-130, Vol. 7.	
dlw	C24	HENDERSON, C. Cancer genetics gene regulates telomerase resulting in death of cancer cells; <i>Gene Therapy Weekly</i> ; 11 September 1995	
dlw	C25	HIYAMA, E. et al. "Correlating telomerase activity levels with human neuroblastoma outcomes"; <i>Nature Medicine</i> ; 3 March 1995; pp. 249-255, Vol. 1, No. 3.	
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dlw	C27	JÄHNE, A. et al. "Genetic Engineering of Cereal Crop Plants: A Review", <i>Euphytica</i> , 1995, pp. 35-44, Vol. 85, Kluwer Academic Publishers, Netherlands.	
dlw	C28	JOHNSON, P. et al., "Expression of Wild-Type p53 Is Not Compatible with Continued Growth of p53-Negative Tumor Cells", <i>Molecular and Cellular Biology</i> , Jan. 1991, p. 1-11, Vol. 11, No. 1.	
dlw	C29	COLLIFFE, L.K. "Humanized antibodies: enhancing therapeutic utility through antibody engineering", <i>Int. Rev. Immunol.</i> , 1993, pp. 241-250, Vol. 10.	
dlw	C30	KIM, N. et al. "Specific Association of Human Telomerase Activity with Immortal Cells and Cancer", <i>Science</i> , 23 December 1994, pp. 2011-2014, Vol. 266.	
dlw	C31	KLINGELHUTZ, A. et al. "Restoration of Telomeres in Human Papillomavirus- Immortalized Human Anogenital Epithelial Cells"; <i>Molecular and Cellular Biology</i> , Feb. 1994, pp. 961-969, Vol. 14, No. 2.	
dlw	C32	LEWIS, A. & CROWE, J.S. "Generation of humanized monoclonal antibodies by 'best fit' framework selection and recombinant polymerase chain reaction", <i>Year Immunol.</i> , 1993, pp. 110-118, Vol. 7.	
dlw	C33	Linking telomerase and tumors; <i>Genesis Report- Dx</i> ; 1995; Vol. 4, No. 6; Publisher Genesis Group Associates	
dlw	C34	MALICKI, J. et al. "A human <i>HOX4B</i> regulatory element provides head-specific expression in <i>Drosophila</i> embryos", <i>Nature</i> , 23 July 1992, pp. 345-357, Vol. 358.	

Examiner Signature	<i>Mallick</i>	Date Considered	July 7, '04
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PTO/SB/08B (08-03)

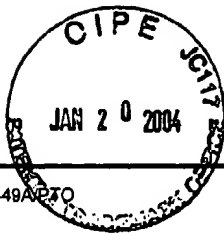
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)		Application Number	09/843,676
		Filing Date	April 26, 2001
		First Named Inventor	Cech, Thomas R.
		Art Unit	1646
		Examiner Name	
Sheet 4 of 4	Attorney Docket Number	015389-002943US	

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
dw	C35	NATARAJAN et al. "Major histocompatibility complex determinants select T-cell receptor alpha chain variable region dominance in a peptide-specific response." <i>Proc. Natl. Acad. Sci.</i> , Oct 1992, pp. 8874-8878, Vol. 19.	
dw	C36	PASZKOWSKI, JERZY et al. "Direct gene transfer to plants," <i>The EMBO Journal</i> , 1984, pp. 2717-2722, Vol. 3, No. 12.	
dw	C37	POTRYKUS, I. et al. "Direct gene transfer to cells of a graminaceous monocot", <i>Mol. Gen. Genet.</i> , 1985, pp. 183-188, Vol. 199.	
dw	C38	RAYMOND, E., et al.; Agents that target telomerase and telomeres; <i>Curr. Opin. Biotechnol.</i> ; 1996; 7:583-91	
dw	C39	RHYU, M.S. "Telomeres, telomerase, and immortality"; <i>J. Natl. Cancer Inst.</i> ; 21 June 1995; pp. 884-894, Vol. 87, No. 12.	
dw	C40	SCHENA et al. "Parallel human genome analysis: Microarray-based expression monitoring of 1000 genes", <i>Proc. Natl. Acad. Sci.</i> , Oct. 1996, pp. 10614-10619, Vol. 93, USA.	
dw	C41	SCHWARTZ, H. et al. "Telomere Reduction in Giant Cell Tumor of Bone and with Aging"; <i>Cancer Genet Cytogenet</i> ; 1993; pp. 132-138, Vol. 71, Elsevier Science Publishing Co., Inc., New York, U.S.A.	
dw	C42	SMITH, J. & YEH, G. "Telomere Reduction in Endometrial Adenocarcinoma"; <i>Am. J. Obstet. Gynecol.</i> ; Dec. 1992; pp. 1883-1887, Vol. 167, No. 6	
dw	C43	TAIT, J. et al. "Structure and Polymorphisms of the Human Annexin III (ANX3) Gene", <i>Genomics</i> , 1993, pp. 79-86, Vol. 18, No. 1	
dw	C44	WINTER, G. & HARRIS, W. "Humanized Antibodies", <i>Trends Pharmacol. Sci.</i> , May 1993, pp. 139-143, Vol. 14.	
dw	C45	WIRTH, URS et al; "Immediate-Early RNA 2.9 and Early RNA 2.6 of Bovine Herpesvirus 1 Are 3' Coterminal and Encode of Putative Zinc Finger Transactivator Protein"; <i>Journal of Virology</i> ; May 1992; pp. 2763-2772, Vol. 66, No. 5.	

Examiner Signature	<i>M. S. Lichka</i>	Date Considered	<i>July 7, '04</i>
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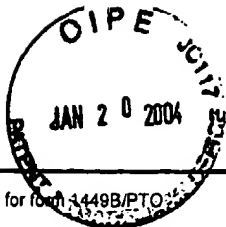
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		Application Number	09/843,676		
		Filing Date	April 26, 2001		
		First Named Inventor	Cech, Thomas R.		
		Art Unit	1652		
Examiner Name	Malgorzata A. Walicka				
Sheet	1	of	2	Attorney Docket Number	015389-002943US

U.S. PATENT DOCUMENTS+						
Examiner Initials*	Cite No. ¹	Document Number		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ² (if known)			
mw	A1	US-6,444,650	B1	09-03-2003	Cech et al.	
mw	A2	US-6,517,834	B1	02-11-2003	Weinrich et al.	
mw	A3	US-6,608,188	B1	08-19-2003	Tsuchiya et al.	
mw	A4	US-6,627,619	B2	09-30-2003	Cech et al.	
mw	A5	US 2002-0187471	A1	12-12-2002	Cech et al.	
mw	A6	US 2003-0009019	A1	01-09-2003	Cech et al.	
mw	A7	US 2003-0032075	A1	02-13-2003	Cech et al.	
mw	A8	US 2003-0044953	A1	03-06-2003	Cech et al.	
mw	A9	US 2003-0059787	A1	03-27-2003	Cech et al.	
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mw	A11	US 2003-0100093	A1	05-29-2003	Cech et al.	
mw	A12	U.S. Application No. 09/432,503			Cech et al.	
mw	A13	U.S. Application No. 09/721,477			Cech et al.	
mw	A14	U.S. Application No. 09/721,506			Cech et al.	
mw	A15	U.S. Application No. 90/974,584			Cech et al.	

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Examiner Signature	<i>M. Walicka</i>	Date Considered	<i>July 7, '04</i>
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		Art Unit	1652		
		Examiner Name	Malgorzata A. Walicka		
Sheet	2	of	2	Attorney Docket Number	015389-002943US

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	C1	ADAMS, MARK et al. "Initial Assessment of Human Gene Diversity and Expression Patterns Based Upon 83 Million Nucleotides of cDNA Sequence" <i>The Genome Directory: Supplement to Nature</i> 28 September 1995, 1995, pp. 3-174, Vol. 377, Issue 6547S.	
	C2		

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